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| 6030765.pn. | 1 |

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L32

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L23: Entry 1 of 1

File: USPT

Jan 26, 1999

DOCUMENT-IDENTIFIER: US 5863859 A

TITLE: Heat-sensitive material suited for use in direct thermal recording

US Patent No. (1):

5863859

Assignee Name (1):

Agfa-Gevaert N.V.Detailed Description Text (61):

From the obtained sensitometric results it may be concluded that by coating from an aqueous medium a proper combination of hydrophilic binding agent (gelatin) and reducing agent in a hydrophilic binder layer adjacent to the imaging layer a soft gradation together with a high optical density can be obtained, whereas by coating from a non-aqueous medium a hydrophobic binding agent (PC3) and the same reducing agent in a hydrophobic layer adjacent to the imaging layer an undesirably hard gradation is obtained.

Detailed Description Text (80):

The slope of the linear part (between toe and shoulder) of sensitometric curves B2, C2 and D2 corresponding with the invention materials B2, C2 and D2 respectively is much less steep than the slope of curve A2. From the obtained sensitometric results it may be concluded that by coating from an aqueous medium a proper combination of hydrophilic binding agent (gelatin) and reducing agent in a hydrophilic binder layer adjacent to the imaging layer a soft gradation together with a high optical density can be obtained.

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